

GEORGE ENGELMANN BOTANICAL NOTEBOOKS

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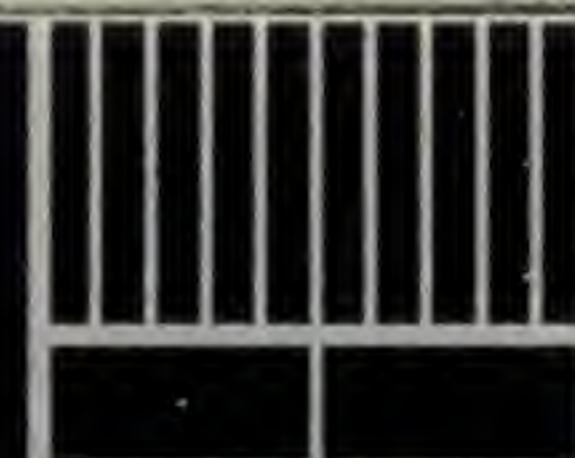
Iuncus Canadensis var *subcanescens*
former rigidior, strict.

On a moist springy piece of improved ground
(worn out by cultivation).

Swamps & along the banks of a small stream
Kew Woods near Centerville

with *Iuncus acuminatus*, the *poliflorus* form,
Carex Vibilis, *Platanthera fimbriata*,
Cicuta sibirica and many grasses.

I. acuminatus var *poliformis*
former perianth &
petals *poliflorus* grisea
with *I. Canad subcanescens*

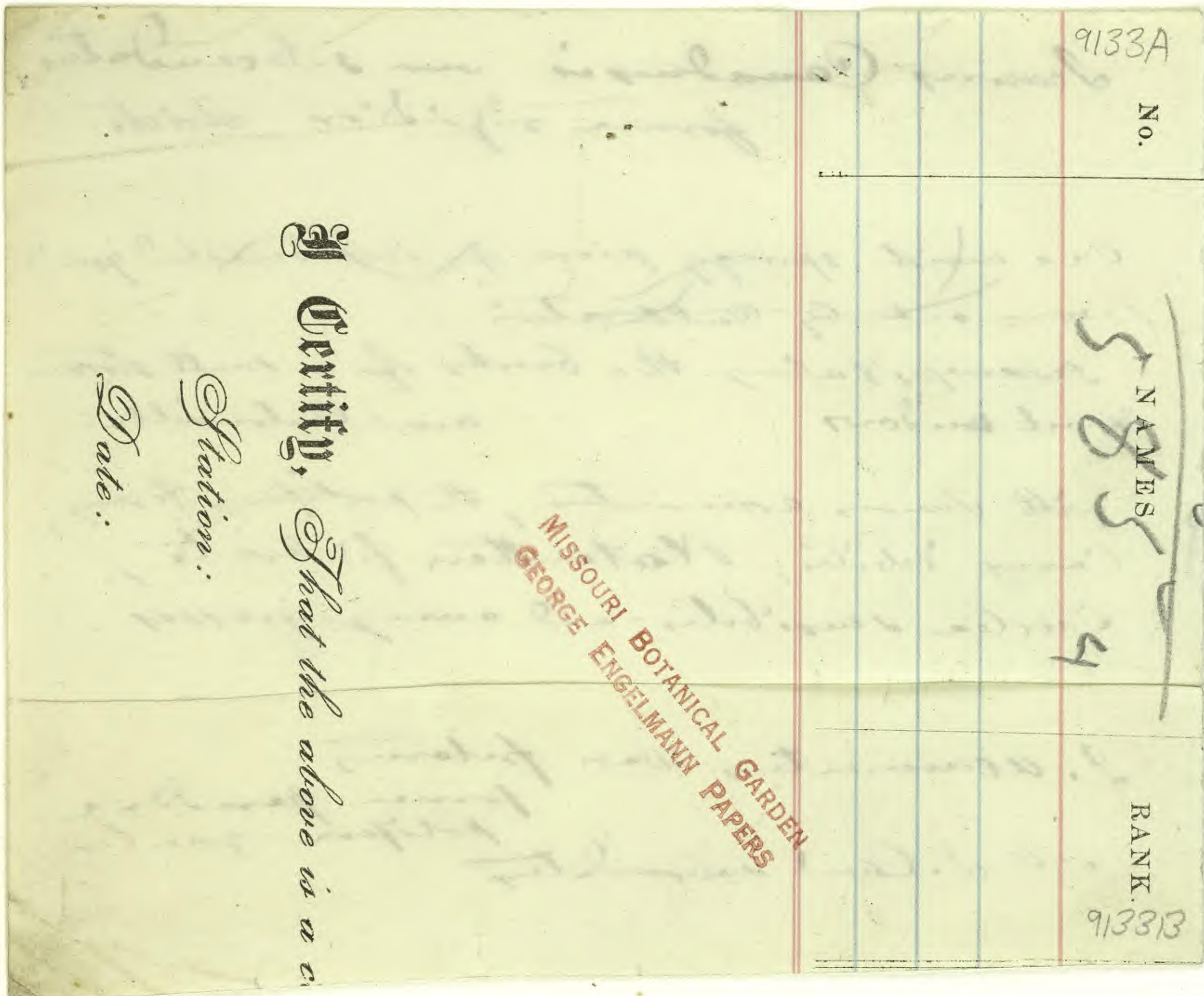


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I. Bellovius

Milwaukee Aug 1866.

Sandy soil near the shore of the lake
with Oakile Asar. Corp. hypopfl.
Cephaelis polygona fl. Blt. all ascend.
I. alpinus.

I. alpinus

Milwaukee Aug 1866

Sandy soil near the shore of the lake
near - with Oakile As. Corp. hypopfl.
Cephaelis polygona fl. Blt. all ascend.
I. alpinus.



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• APPOTTS & CO. CARRIAGE
MFG. CO.

Franklin Avenue, bet. 18th & 19th Streets,

St. Louis, Mo.

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9134




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Juniperus marginata var. *biglobus*

in open places on low, rather sterile ground
along Shelpot creek near Wilmington Del
generally with the Adams form of *J. marginata*
J. scirpoides, *Rigida*, *glaucantha*, &
eymanii.

A Common

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Specimens sent by Elias Differentback

1. I. acuminatus var debilis, Dennisville, July 14th
2. I. Canadensis longicaudatus Rockbridge Aug 18
3. I. marginatus var liflowers Dennisville July 15
4. I. Gerardi Petty's Island July 22
5. I. acuminatus var paternus, capsules super. perls exserti - Petty's Island July 22
- 5b same I. debilis
6. I. acum. var paternus N.J. July 29 sub nom I. debilis
7. I. Canadensis var subcaudatus Grovelands July 29 sub nom I. debilis
8. I. Canad. var longicaudatus Bristol Aug 5th
sub nom I. perakensis

9. I. articulatus var. Petty's Island July 22
a very curious form, with shorter capsules
than usual and compact inflorescence,
which was unknown to me before, it might
be named var. obtusior

Specimens sent by D. Becker

10. the same as last Petty's Island
- 11 = 5 but caps. subulate calyx previousibus; mixed
with and in same sheet as last.
12. I. nodosus var angustiobulbus same locality
- 13 = 4 "
14. I. articulatus Knight's post

Specimens sent by A. H. Smith

15. I. tenuis Deal, an interesting form, approaching
in habit & appearance to I. Greenei
16. 2 Deal Aug 27
17. Deal Aug 20 sub nom "nodosus" is an interesting form
of Canadensis var longicaudatus!
18. Navy Yard Sept 22 = 12
19. I. scirpoides var macrostachys brachystachys Deal
20. I. Gerardi Deal



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21. *J. acuminatus* var. *prosternus*, King - sessile
22 = 3 *Deal* Sept 23

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My desiderata for next year are ;
1. Debts! debts! with about June 1
- just before the end of June,

7. subrandatus from lava, subdecomposing
Gravel pits; H. above 100'; fruit
not before Sept 1.
17 Cooperates, if that compound headed form presents a constant appearance
of longeraudatus granulosus, opp. slender
long acutatus - Bristol.

H. & fruit perhaps a week earlier
or 15 days than ^{at} N. *G. annulatus* was observed from Petty's
Island. H. probably latter half of
July; fruit 3-4 weeks later.

J. debilis var. *foliis submersis*, Griffiths in Junc. in
J. peltigerus in July or ~~June~~^{ad page}
Coreopsis *dissoidea* *Philadelphia* is a wrong
name. I include a fragment of the
tree *dissoidea* from here. Your tide-
marked plant is perhaps a rayless form of
C. aristosa.

The C. G. Winter's is a highly interesting
recovery, also made by the Delaware
botanists. Herbarium old Middle!

of Geenway Helenapthgella I should like
to obtain other specimens in Hove and



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Specimen from Wm. H. Caulk

No. 1. From low sandy shores near
the sea near Lewistown, Delaware.

~~2.3 x 4. Dicliotomus~~

No. 2. Same locality as No. 1. Some
of the panicles closer as in some
forms of *J. tenuis* or *J. Grisei*.
~~close packed~~

No. 3. The true *J. dictyonurus*? from
"Red Mill", 5 miles inland from
Lewistown, Delaware.

No. 4. Sea beach or near it
Lewistown, Del.

No. 5. Same locality as Nos. 1 & 2.
~~fruticosus~~

No. 6. From wet sandy soil "Red
Mill" near Lewistown, Del.

No. 7. Same as No. 6. but smaller.



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No. 8. *I. laffortii* var. *pauciculatus* No.
? Sea-shore near Lewistown Del.
common but I only can find
the one specimen among other No.
collections.

No. 9. *I. magnificus*. Between No.
the usual form & var. *biflorus*?
Done, Del. Yes

No. 10. Sea-shore Lewistown, Del. No.
Savannah marginata Brady, typ. No.
All the above collected about
June 25th 1866

No. 11. From shore of Delaware No.
river near Wilmington ~~yellow~~ flat No.
or ~~yellow~~ or ~~yellow~~

No. 12. Sea, Wilmington No.
bottom ~~yellow~~ flat No.

No. 13. Form of *I. tenue*? from No.
muddy shore of Delaware river No.



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sculatus No. 14 *In J. buffonii* from
Del. near Wilmington.

fixed
other No. 15. From near Wilmington
between var. *patens* & some *lancea*

between
liflors? No. 16. ^{of} the var. *secundus* ^{of}
J. leuca. From dry rocky
& shaded hill sides near Wil-
mington, also quite common in
fields etc.

about Nos 11 to 16 inclusive collected
about July 5th

var. ^{lancea} No. 17. *Imperata magnifica*
var. *liflora* mixed with two
or three of the tree plant. From
open woodlands two miles above
Wilmington July 11. 1866.

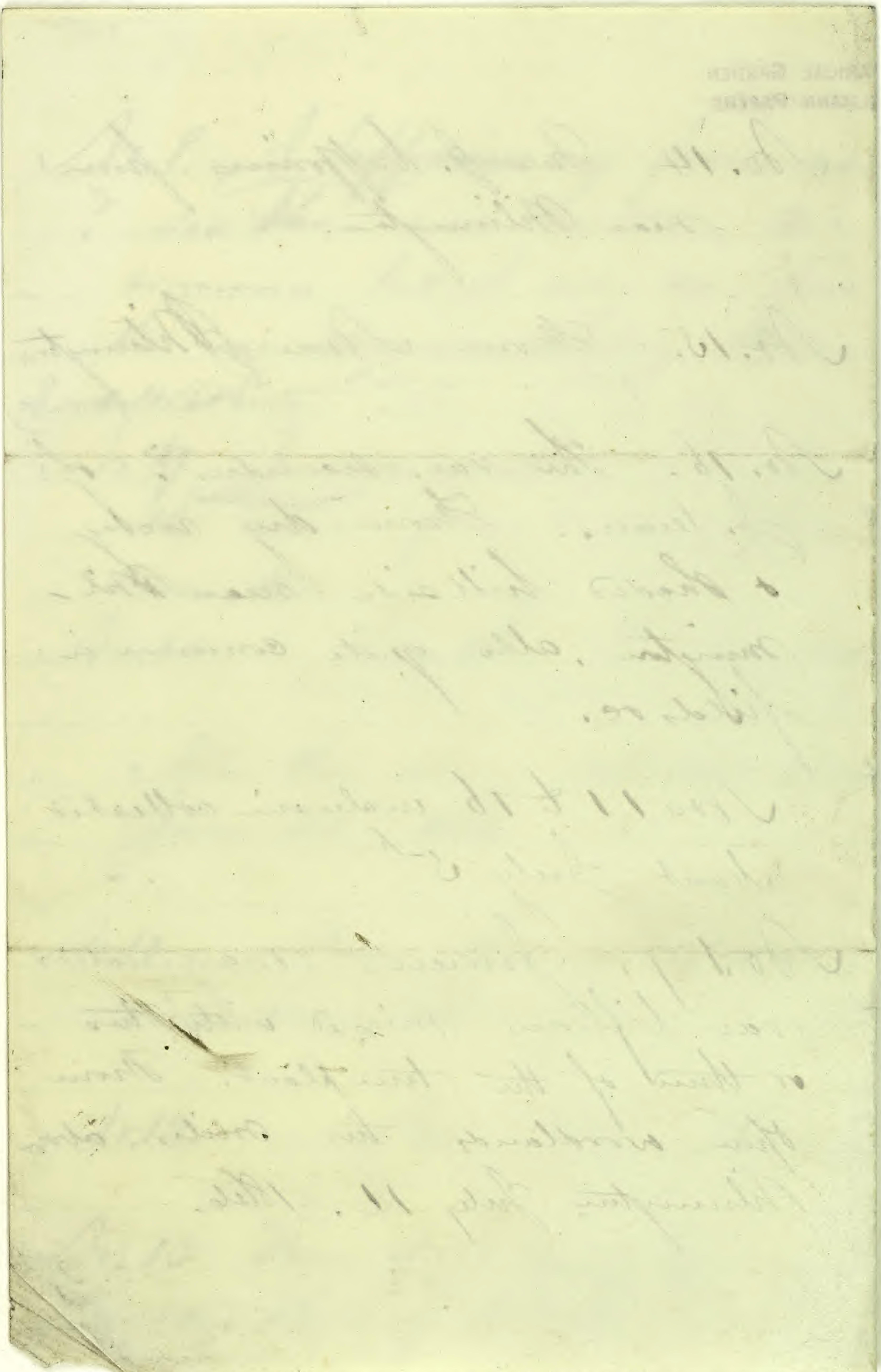


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Characteristic plants with *Juncus Smithii*
hemisphaerica Canadensis

Cornus Canadensis

Astilbe acuminata

Asplenium repens

The above are characteristic of our
higher Alleghany mountain flora -

The following are also abundant
about the neighborhood of the locality,
but are so generally diffused in
Penn. and N.J. as not to be
characteristic of any flora.

Kalmia angustifolia - also very abundant in the
pine barrens of N.J.

Anemone Muscari-toxicum - found generally
but sparingly, through Penn.
and N.J. - but very
common on the open barren
ridges of the Alleghanies.

Carex folliculata Common Pa & N.J.
Juncus effusus " every where

C. E. Smith
Phila. Novem. 17 '66

peat. ?
Sphagnum. ?



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Plant growing with
Grewia Smithii

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Juncus Asper.

The locality may be described in general terms as an open magnolia swamp, with scattered bushes, sphagnum and cranberries.

The more characteristic plants are

<i>Magnolia glauca</i>	<i>Eleocharis tuberculosa</i>
<i>Ilex glabra</i>	<i>Gratiola aurea</i>
<i>Vaccinium macrocarpon</i>	<i>Nirola gracilis</i>
<i>Drosera longifolia</i>	<i>Sporobolus heterolepis</i>
<i>Solidago Speciosa</i>	<i>Habenaria leptoangustis</i>

W
The following are also abundant, but too generally diffused through N.J. to be characteristic of this place

<i>Polygonia ophioglossoides</i>	<i>Clethra alnifolia</i>
<i>Drosera rotundifolia</i>	<i>Juncus effusus</i>
<i>Diplopappus umbellatus</i>	" <i>ternis</i>

Around the dry sandy margin of the swamp

<i>Pygidium thera barbulata</i>
<i>Aletis farinosa</i>
<i>Helianthus angustifolius</i>
<i>Diplopappus linariifolius</i>

C. E. Smith

Phila Nov. 17 - '66



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Leucospermum
tops
from
J. C. -
10/12



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